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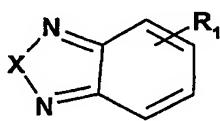
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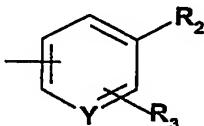
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A1 (54) Title: BENZO[1,2,5]OXADIAZOLES AND BENZO [1,2,5]THIADIAZOLES USEFUL AS HISTOPATHOLOGICAL STAINING AGENTS, IMAGING AGENTS AND BIOMARKERS



(I)



(a)

(57) Abstract: The present invention relates to novel benzo[1,2,5]oxadiazoles and benzo[1,2,5]thiadiazoles of formula (I) wherein X is O or S, R<sub>1</sub> is 5-(2-fluoro-ethylamino)-thiazol-2-yl, 5-(2-<sup>18</sup>F-ethylamino)-thiazol-2-yl or a group of formula (a) wherein Y is CH or N, R<sub>2</sub> is NHCH<sub>3</sub>, NH<sup>11</sup>CH<sub>3</sub>, N(CH<sub>3</sub>)<sup>11</sup>CH<sub>3</sub>, N(CH<sub>3</sub>)<sub>2</sub>, N(<sup>11</sup>CH<sub>3</sub>)<sub>2</sub>, NH(CH<sub>2</sub>)<sub>n</sub>F, NH(CH<sub>2</sub>)<sub>n</sub><sup>18</sup>F, N(CH<sub>3</sub>)(CH<sub>2</sub>)<sub>n</sub>F, N(CH<sub>3</sub>)-(CH<sub>2</sub>)<sub>n</sub><sup>18</sup>F, O-(CH<sub>2</sub>)<sub>n</sub>F, O-(CH<sub>2</sub>)<sub>n</sub><sup>18</sup>F, CONH(CH<sub>2</sub>)<sub>n</sub>F or CONH(CH<sub>2</sub>)<sub>n</sub><sup>18</sup>F (n being in each case 2 to 4) and R<sub>3</sub> is hydroxy, (C1-4)alkoxy, hydrogen or nitro, in free base or acid addition salt form; their preparation, their use as markers in diagnosis and compositions containing them.

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